

What is claimed is:

1. A method of mounting a float operated vapor vent valve through an access opening to a fuel tank comprising:
  - (a) forming a valve body with a flange of weldable material and having a float chamber and disposing a float therein and forming a vent port with a float valve communicating with the float chamber;
  - (b) disposing a valve member for movement with the float and moving the float and seating the valve member on said valve seat and closing the vent port;
  - (c) forming co-operating surfaces on said float chamber and said float and slidably engaging said surfaces and preventing relative rotation therebetween;
  - (d) inserting portions of said body through an access hole in the tank; and,
  - (e) spin welding said flange to the tank.
2. The method defined in claim 1, wherein said step of forming a body includes forming an annular flange extending outwardly over said access opening.
3. The method defined in claim 2 wherein said step of slidably restraining includes forming a pair of oppositely disposed slots and forming projections on the valve member and disposing the projections in said slot.

4. The method defined in claim 1 wherein said step of forming cooperating surfaces on said body chamber and said float includes forming a plurality of ribs on one of said chambers and said float and forming corresponding grooves on the other.
5. The method defined in claim 1, further comprising disposing a gravity operated pressure relief valve in said vent port downstream of said float valve seat.
6. The method defined in claim 5 wherein said step of disposing a pressure relief valve includes slidably disposing an obturator and preventing rotation thereof with respect to said body.
7. The method defined in claim 6 wherein said step of preventing rotation includes forming a plurality of slots and engaging the slots with cooperating surfaces on said obturator.
8. The method defined in claim 7 wherein said step of engaging the slots includes disposing a cross pin in said pressure relief valve.
9. The method defined in claim 1, wherein said step of forming a valve body includes forming a body of non-weldable material and attaching a cover of weldable material with the flange portion thereon.

10. A float operated vapor vent valve for mounting through an access opening in a fuel tank and weldment to the tank:
  - (a) a valve body formed of material with a flange portion weldable to the tank and having a valving cavity therein with a vent passage having a valve seat;
  - (b) a float disposed in the valving cavity and having a valve member thereon moveable with the float for closing against said valve seat;
  - (c) said flange portion extends outwardly over the access opening and is spin welded to the tank; and,
  - (d) said float includes surfaces thereon engaging cooperating surfaces in said valving chamber for preventing relative rotation therebetween during spin welding.
11. The combination defined in claim 10, wherein said cooperating surfaces include ribs on one of said float and valving chamber and grooves on the other.
12. The combination defined in claim 10, further comprising a gravity operated pressure relief valve disposed in said vent chamber downstream of said vent valve seat.
13. The combination defined in claim 12, wherein said pressure relief valve includes another valve seat and an obturator moveable with respect thereto.

14. The combination defined in claim 12, wherein said pressure relief valve includes another valve seat and an obturator moveable with respect thereto and anti-spin means operable to prevent relative rotation between said obturator and said another valve seat during spin welding.
15. The combination defined in claim 14, wherein said anti-spin means includes a slot in said body slidably engaged by a projection on said obturator.
16. The combination defined in claim 15, wherein projection includes a cross pin in said obturator.
17. The combination defined in claim 10, wherein said cover seal on said body includes an annular labyrinth seal.
18. The combination defined in claim 10, wherein said body is formed of non-weldable material and has a cover of weldable material with said flange attached thereto.